

INDIAN JOURNAL *of* PHYSICS

Vol. 81 • No. 9 • September 2007

CONTENTS

Front Title	843
Advisory Board and Editors	845-846
From Editor's Desk	847
Front Contents	849-850

Special Issue on Atomic and Molecular Physics – Part I

Computational strategies for redox processes in condensed phase : Both explicit and implicit solvation treatments

NITAL MEHTA AND SAMBHU N DATTA 851-869

A minimum electrophilicity perspective of the HSAB principle

P K CHATTARAJ AND S GIRI 871-879

Relativistic Hamiltonian for neutral atom of spin-1/2 nucleus in homogeneous magnetic field

ANIRBAN MISRA AND SAMBHU N DATTA 881-888

Scattering resonances in low-energy $H^+ + CO$ collisions

F GEORGE, T J DHILIP KUMAR AND SANJAY KUMAR 889-900

Structure, energy and IR spectra of $K-nNH_3$ cluster : A theoretical study

A K PATHAK, T MUKHERJEE AND D K MAITY 901-913

[Cont'd. on next page]

Operator equation of motion in phase space and path integral solution to time-dependent systems possessing invariants : Application to time-dependent harmonic oscillator

ASISH K DHARA AND SWAPAN K GHOSH 915-924

The Curl equations for an induced Renner-Teller type model

BIPLAB SARKAR AND SATRAJIT ADHIKARI 925-945

Forthcoming Publications 947

Notes for Contributors 949-952

Our Special Publications 953-954